

IFW

UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: WSTR-0020C

Inventors: Hildegund C.J. Ertl

Serial No.: 10/559,603

Filing Date: Not Yet Assigned

Examiner: Not Yet Assigned

Customer No.: 26259

Group Art Unit: Not Yet Assigned

Confirmation No.: Not Yet Assigned

Title: Methods for Inducing an Immune Response  
via Oral Administration of an Adenovirus

I, Jane Massey Licata, Registration No. 32,257,  
certify that this correspondence is being deposited  
with the U.S. Postal Service as First Class mail in  
an envelope addressed to the Commissioner for Patents  
P.O. Box 1450, Alexandria, VA 22313-1450

On this date: February 8, 2006

Jane Massey Licata  
Jane Massey Licata, Registration No. 32,257

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R.  
§§1.97-1.98, information relating to the above-identified  
application is hereby disclosed. Inclusion of information in  
this statement is not to be construed as an admission that this  
information is material as that term is defined in 37 C.F.R.  
§1.56(b).

- (XX) In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, or before the mailing date of a first Office Action on the merits of the above-identified application, no additional fee is required.
- ( ) In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, therefore:
- ( ) Certification in Accordance with §1.97(e) is attached hereto; or
- ( ) Authorization to charge Deposit Account No. 50-1619 the fee of \$180.00 as set forth in §1.17(p) is provided.
- ( ) In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); Petition Requesting Consideration of the Information Disclosure Statement; and the fee of \$130.00 as set forth in §1.17(I) (1).
- (XX) Copies of each of the references listed on the attached Form PTO-1449 (modified) are enclosed herewith.

( ) In accordance with §1.98(d), copies of some or all of the references listed on the attached Form PTO-1449 (modified) are not enclosed herewith because they were previously submitted to the U.S. Patent and Trademark Office in prior application Serial No. \_\_\_\_\_, filed \_\_\_\_\_, for which a claim for priority under 35 U.S.C. §120 has been made in the instant application.

Please charge any deficiency or credit any overpayment to Deposit Account No. 50-1619. This form is submitted in duplicate.

( ) The relevance of the listed references in a foreign language is as stated in the specification at pages @@.

(XX) All listed references are in the English language.

Respectfully submitted,

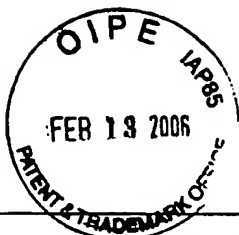
*Jane Massey Licata*

Jane Massey Licata  
Registration No. 32,257

Date: February 8, 2006

Licata & Tyrrell P.C.  
66 E. Main Street  
Marlton, New Jersey 08053

(856) 810-1515



Sheet 01 of 04

<b>Form PTO-1449 Modified</b> <b>List of Patents and Publications</b> <b>Cited by Applicant</b> (Use several sheets if necessary)  U.S. Department of Commerce	<b>Docket No.</b> WSTR-0020C	<b>Serial No.</b> 10/559,603
	<b>Applicant</b> Hildegund C.J. Ertl	
	<b>Filing Date</b> Not Yet Assigned	<b>Group</b> Not Yet Assigned

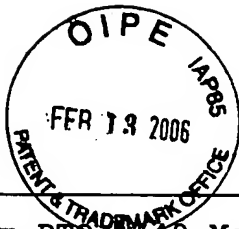
## U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	6,348,450	2-19-02	Tang et al.	514	44

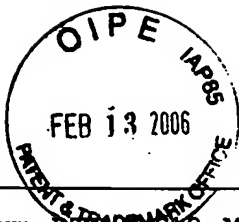
## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES NO

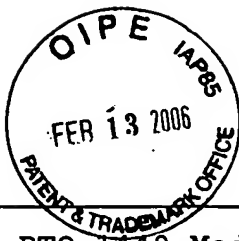
<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------



<b>Form PTO-1449 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce		Docket No. <b>WSTR-0020C</b>	Serial No. <b>10/559,603</b>
		Applicant <b>Hildegund C.J. Ertl</b>	
		Filing Date <b>Not Yet Assigned</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	BA	Ertl et al., "Induction of Rabies Virus-Specific T-Helper Cells by Synthetic Peptides That Carry Dominant T-Helper Cell Epitopes of the Viral Ribonucleoprotein", Journal of Virology 1989 63(7):2885-2892	
	BB	Gilbert et al., "Enhanced CD8 T cell immunogenicity and protective efficacy in a mouse malaria model using a recombinant adenoviral vaccine in heterologous prime-boost immunisation regimes", Vaccine 2002 20:1039-1045	
	BC	Gogev et al., "Induction of protective immunity to bovine herpesvirus type 1 in cattle by intranasal administration of replication-defective human adenovirus type 5 expressing glycoprotein gC or gD", Vaccine 2002 20:1451-1465	
	BD	Hammond et al., "Oral and sub-cutaneous vaccination of commercial pigs with a recombinant porcine adenovirus expressing the classical swine fever virus gp55 gene", Arch Virol 2001 146:1787-1793	
	BE	Kanellos et al., "Naked DNA when co-administered intranasally with heat-labile enterotoxin of <i>Escherichia coli</i> primes effectively for systemic B- and T-cell responses to the encoded antigen", Immunology Letters 2000 74:215-220	
	BF	Leitner et al., "Nucleic Acid for the Treatment of Cancer: Genetic Vaccines and DNA Adjuvants", Current Pharmaceutical Design 2001 7:1641-1667	
	BG	Mutwiri et al., "Induction of immune responses in newborn lambs following enteric immunization with a human adenovirus vaccine vector", Vaccine 2001 19:1284-1293	
	BH	Sabin, Albert B., "Oral Poliovirus Vaccine", JAMA 1965 194(8):872-876	
	BI	Sharpe et al., "Single Oral Immunization with Replication Deficient Recombinant Adenovirus Elicits Long-Lived Transgene-Specific Cellular and Humoral Immune Responses", Virology 2002 293:210-216	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



<b>Form PTO-119 Modified</b>  List of Patents and Publications Cited by Applicant (Use several sheets if necessary)  U.S. Department of Commerce		Docket No. <b>WSTR-0020C</b>	Serial No. <b>10/559,603</b>
		Applicant <b>Hildegund C.J. Ertl</b>	
		Filing Date <b>Not Yet Assigned</b>	Group <b>Not Yet Assigned</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	BJ	Velin et al., "IV. Mucosal HIV Infection: Vaccination and Therapy - Delivery Systems and Adjuvants for Vaccination against HIV", Pathobiology 1998 66:170-175	
	BK	Vos et al., "Immunogenicity of an E1-deleted recombinant human adenovirus against rabies by different routes of administration", Journal of General Virology 2001 82:2191-2197	
	BL	Wang et al., "Immune Response to Neonatal Genetic Immunization", Virology 1997 228:278-284	
	BM	Xiang et al., "Vaccination with a Plasmid Vector Carrying the Rabies Virus Glycoprotein Gene Induces Protective Immunity against Rabies Virus", Virology 1994 199:132-140	
	BN	Xiang et al., "Induction of Genital Immunity by DNA Priming and Intranasal Booster Immunization with a Replication-Defective Adenoviral Recombinant", Journal of Immunology 1999 162:6716-6723	
	BO	Xiang et al., "A Replication-Defective Human Adenovirus Recombinant Serves as a Highly Efficacious Vaccine Carrier", Virology 1996 219:220-227	
	BP	Xiang et al., "Induction of mucosal immunity with a replication-defective adenoviral recombinant", Vaccine 1999 17:2003-2008	
	BQ	Xiang et al., "Novel, Chimpanzee Serotype 68-Based Adenoviral Vaccine Carrier for Induction of Antibodies to a Transgene Product", Journal of Virology 2002 76(6):2667-2675	
	BR	Xiang et al., "Immune Effector Mechanisms Required for Protection to Rabies Virus", Virology 1995 214:398-404	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	



Sheet 04 of 04

<b>Form PTO-1449 Modified</b>		<b>Docket No.</b> WSTR-0020C	<b>Serial No.</b> 10/559,603
<b>List of Patents and Publications Cited by Applicant (Use several sheets if necessary)</b>		<b>Applicant</b> Hildegund C.J. Ertl	
		<b>Filing Date</b> Not Yet Assigned	<b>Group</b> Not Yet Assigned
<b>U.S. Department of Commerce</b>			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
	BS	Yarosh et al., "Human adenovirus type 5 vectors expressing rabies glycoprotein", Vaccine 1996 14(13):1257-1264	
<b>EXAMINER</b>		<b>DATE CONSIDERED</b>	